COLONEL RICHARD L. MAURY.

The approach to the inner harbor of Port Arthur is ideal for defense as Richmond was defended by many torpedoes during our war. The channel from the outer harbor inward, something over a mile in longth, is less than two hundred yards wide at the narrowest, and runs all the way between abrupt cliffs crowned in the way between the control of the country that is not the way between abrupt cliffs crowned and the country that the way between the country that was the country to the country that the country tha

yards wide at the narrowest, and runs all the way botween abrupt cliffs crowned with powerful batteries well able to prevent the removal by an enemy of the torpedo mines, both floating and electric, with which no doubt this passage has been planted.

Thus protected the inner harbor of Port Arthur is impregnable, and untess the torpedoes are first removed, their efficiency destroyed, or the batteries silenced, Japan's fleet will surely meet disaster should it attempt to enter.

We in Richmond are specially interested in their defense because many years and fitchmond was thus successfully defended; here it was that this powerful weapon of modern warfare was first effectually used in actual war, and from here it was that the knowledge of this new science was taught to the great government which is now using it so effectively upon the Yellow Bea.

In 1861 Captian Matthew F, Maury introduced this system of defense into the Confederate navy, and was the first them to utilize it in actual conflict. With it the Confederate navy accomplished more than all other nations combined have since, and (the Secretary of the United States Navy said in his report to Congress in 1865) destroyed more Federal vessels than were lost from all other causes whatever.

With torpedoes of his own device, con-

States Navy said in his report to Congress in 1660 destroyed more Federal vessels than were lost from all other causes whatever.

With torpedoes of his own device, construction and operation under the greetest difficulties imaginable, for we had neither proper shops or proper material, he mined James River just below Chaffin's Bluff so successfully that the enemy, having learned of them, never thereafter approached Richmond to where they were—and those placed below-after the land batteries were carried further down and destroyed every Federal vessel that attempted to pass, and kept the powerful fleet at hay during the slege of Richmond by General Grant.

While thus engaged Captain Maury was ordered to London to continue, under most favorable surroundings, with access to the laboratories and workships of Europe for experiment and construction, the development and improvement of this new science, which opportunities were so successfully utilized, especially as to electrical torpedo mines, their location, preservation testing and firing, that no material improvement in the use of this special class of torpedoes has since been made. Several years after our war, at the request of the Cara of Russia, who, when our war commenced, had offered a home on the banks of the Neva and ample facilities to continue his scientific investigation. Captain Maury imparted the secrets of his torpedo system to officers of the Russian navy and instructed them fully in their use. Their great value was appreciated at once, and Russia took the lead, which she has ever since held, in developing and improving this new science. No doubt these Virginia lessons will soon bear rich fruit At Port Arthur.

A few weeks after Captain Maury had been relieved of the charge of the torpedo deferse of James River, upon which his had been engaged for a year, and had turned the office over to his assistant and successor, the boat used, with the records, maps and charts of the work, was captured by the enemy near Haxalls.

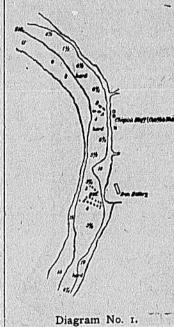
They thus learned where the torpedoes had been placed and how they were operated, and never afterwards ascended the river to where they were.

It will be instructive and interesting to most of your readers to know how electrical torpedoes—or mines, as they are now called; the word torpedo being new applied to those wonderful automatio machines, marvels of ingenuity and delicate mechanism, discharged from torpedo bonts—were then used. Captain Maury reported to the Secretary of the Navy what he had done up to the time of his orders to Europe, as follows:

Richmond, Va., June 19, 1862.

Sir.—The James River is mined with fiften tanks below the from battery at Chaffin's Bluff. They are to be exploded by means of electricity. Four of the tanks contain 160 pounds of powder; the cleven others hold seventy pounds each. All are made of boller plate.

They are arranged in rows, as per diagram, those of each now being thirty feet apart. Each tank is contained in a watertight wooden cask, capable of floating it, but anchored and held below the surface from three to eight feet, according to the state of the tide. The anchors to each are an eighteen-inch shell and a plece of kentledge, so placed



as to prevent the barrels from fouling the buoy ropes at the change of the ide.

Each shell of a row is connected with the one next to it by a stout rope, thirty feet long, and capable of lifting it in case the cask he carried away. The casks are waterlight, as are also the tanks, the electric cord entering and returning through the same head.

The wire for the roturn current from the battery is passed from shell to shell and along the connecting rope which lies at the bottom. The wire that passes from cask to cask is stopped slack to the buoy rope from the shell up to the cask, to which it is securely selzed to prevent any strain upon that part which enters

Bros. 9 Favorite Pianos Chase Hack Worthy of Your a 4 Consideration

Established 1863.

Chase-Hackley Piano Co.

603 East Broad Street

like manner down along the budy rope to the shell, and then along the span to the next shell, as per the rough sketch,

thus:

At 4, the two cords are frapped together, loaded with trace chains, a fathom
apart, and carried ashore to the galvanic

When they were planted it was not known that a battery was to be erected below.

These four tanks contain about 6,000 pounds of powder. The great freshet of last month carried away the wires that were to operate the first pair "A."

Lieutenant Davidson, who, with the Teaser and her crew, has assisted me with a most hearty, good will, has dragged for the tanks without success. They rest on the bottom. Could they be found, it was my intention to raise the found, it was my intention to raise the found, it was my intention to raise the found, or, and the man and it found in good order, place them below the range "I."

Lieutenant William L. Maury, assisted by acting Master W. F. Carter and R. Rollins, was charged with the duty of proving the tanks and packing them in casks. There are I others, each containing 70 pounds of powder. When tested in the barrels and found ready for use, they will be held in reserve in case of accident to those already down. A larger number was not prepared for the want of powder.

accident to those already down and accident to those already down to powder.

There are a quantity of admirably insulated wire, a number of shells for anchors or torpedoes, and a sufficient quantity of chains for the wires remaining. They will be put in the navy store for safe keeping.

The galvanic batteries, viz.: 21 Wollaston and one Cruikshank (the latter loaned by Dr. Maupin, University of Virguila.) with spare acids (sulphuric and nitric) are at Chaffin's Bluff, in charge of acting Master Cheeney. He has also in jugs a sufficient quantity mixed to work the batteries and ready to be poured in for use.

It is proper that I should mention to the department in terms of commendation the ready and valuable assistance

and the benefits of fresh air. Their work begins at nine and ends at five, each nurse working in her own district. No. legitimate call has ever been neglected, and all work is done under the supervision of the attending physician. The mission of the furness is one of help, health and comfort; teaching people how to live. They are not allowed to interfere with religious beliefs, and visit alike without question of creed or color. Inst year the nurses reported 3,145 visits paid which compared with the 5,181 visits paid this year, shows that the work is growing. The encouragement in the nurse's routine comes from the gratitude and appraciation of her patients, and the association looks forward to the time when it will be as in other cities, a recognized social and sociological factor in the civic life.

The members of the central board are; Mrs. B. B. Valentine, president; Mrs. Scott Parrish, first vice-president; Mrs. Scott Parrish, first vice-president; Mrs. R. H. Lindsey, treasurer: Miss Reberta Z. Allen, recording secretary; Mrs. Charles E. Wortham, Mrs. Percy Hawes, Mrs. C. R. Cannon, Mrs. Percy Hawes, Mrs. Adrew Pizzini, Mrs. Percy Hawes, Mrs. Cart Europe.

ACTIVITY IN COTTON.

Volume of Trade at New Orleans Quite Large.

Quite Large.

(By Associated Press.)

NEW ORLEANS, Feb. 7.—In to-day's cotion market the volume of trade was large and there was an absence of the usual week-end features. While some liquidation on the part of profit taking longs was seen it was soon spent, and all offerings were engerly absorbed, wide nervous shorts sending prices upon themselves by their hurried running to cover on extremely builtsh weekly statistics, while heavy buying by professional and outside longs gave the market a strong underlone.

At the opening the tone was called stendy and prices showed an advance of three to ton points. Liquidation shaved the initial advance down soon after the opening, and shorts attempted to cover at the decline. Prices guickly rose twenty-five to two typesseen points higher than the close of the close prices were 21 to 22 points higher than yesterday's close. Private cables reported several Lancashire spinners had decided to run full time. This was said to be due largely to orders from Chinese merchants who have been buying their goods from Russia and Japan.

MARCUM'S WIDOW

FREDERICKSBURG.

(Special to The Times-Dispatch.)
FREDERICKSBURG, VA., Feb. 27.—
The operetta, "The Cruise of the Trunsdie Bed." will be presented by the primary department, of Fredericksburg College in College, Hall on the evening of Friday, March 4th, It promises to be a most entertaining event.

Mr. Carter H. Pitzhugh, of Lake Forest, Ill., was here this week, the guest of his mother. Mrs. Mary Fitzhugh.

Mrs. Fannie-P. Shaw, of Orange county, who has been the guest of Mr. and Mrs. A. P. Rowe, has returned home.

Mrs. Kate K. Henry, of Washington,

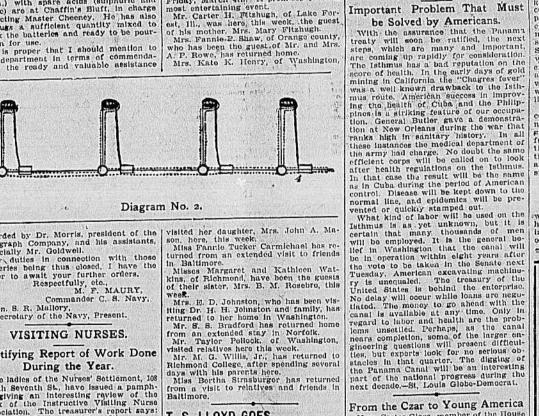


Diagram No. 2.

afforded by Dr. Morris, president of the Telegraph Company, and his assistants, especially Mr. Coldwell.

My duties in connection with those batteries being thus closed. I have the honor to await your further orders.

Respectfully, etc.,

M. F. MAURY,
Commander C. S. Navy,
Hon. S. R. Mailory,
Secretary of the Navy, Present.

Gratifying Report of Work Done

The ladies of the Nurses' Settlement, 108
North Seventh St., have issued a pamphiet giving an interesting raylew of the
work of the Instructive Visiting Nurse
Association. The treasurer's report says:
Bilance on hand, February 12th,
1903. 500 03

discriming College, after spending several anys with his parents here.

Miss Bertha Strasburger has returned from a visit to relatives and friends in Baltimore.

WITH ROCK ISLAND

Delaware, Leasuwanna and western Company, resigned to-day to accept a position with the Rock Island road. He came here four years ago from Richmond, Va., where he was master mechanic of the Chesapeake and Ohio Railway Com-

Rear Admiral Harrie Webster delivered his lecture on Japan at the Virginia Club last night. The gathering of mem-bers and their friends was large, and all were delighted with the address of the well known relived maval officer. Many sterooptecon views illustrated the address.



White wrapper if constipated ; yel low if bowels are regular. PRICE 25 CENTAL

ideal preparation. Sweetens and purifies the breath. Price 250.

Window Shades, Estimates Furnished Free, 25c.

White 40-inch Muslin, Silk Finished, 12 1-26.

REDUCED.

JULIUS SYCLE & SONS.

Sample Sale Tailor-Made Suits.

Try Our Gredit System. It's the most simple plan in the world. You ca.

buy the best class merchandise at cash price and pay in small payments, weekly or monthly. Over 40,000 here testify. Why not you?

Shirt-Walst Linens.

PATTERNS, IOC.

37/2c. Shirt.
Waist Linen, 35
Inches wide, pure
white, round
thread, special
to-morrow 20c. a
yard.

WASH AND WOOL DRESS GOODS.

The newest styles, the best qualities, at reduced prices.
17c. Gauze Bourette, 12½c.; 25c. White Figured Madras, 12½c.; 37½c. Nub Etamine, 22c.;
37½c. Liberty Silks, 17c.; 37½c. Voile Sexette, 25.; 25c. Scotch Suiting, 17c.

Mohairs, the popular worsted fabric for this spring, and other qualities as great, will be

SPECIAL-50c. Bayadere Louisines, soft and flexible, stripe run cross-over, the armure weave, 25c.

Mohair Suiting. Newest effects, in navy blue, black ground and all

and invisible hairline stripes, Bourette effects, 50c. to \$2.

Wash Materials.

Everett Wash Clighams, Toile de Noir Ginghams, Tollo de Noir Ginghams, 12 1-2e. New 1901 Percales, 12 1-2e. Nercerized White Goods, 12 1-2e. to 40e. n yard, 20c. Figured , Crope Nubs, 10c.

English Batiste, 12 1-2c; Galatea and Madras Cloth, 17c.

Volle and Etamine. Newest effects in Volles,

weight, neat and open mesh, firmly woven; prices, 12 1.2c to \$1.50,

Cloths and Mixed Suiting

The newest shades in Solid broken plaid, Bourette chaviots, stripes, woven dots, crepe effects, light mixture stylish for suits, 25c, to

Silk Waist Opportunities.

\$8, \$9 and \$10 Silk Waists, 85.

\$6, \$7 and \$7.50 Waists, \$4.

They are in all colors, made in several styles, for dress and tailor wear, all colors, plenty of black and white.

Choice Lace Liste Hose, some with lace running all around, the others lace half way; special to-morrow,

371/2c. SILK MULL, 19c. YARD.

Silk Mull, a quality that many dealers in all parts of the country do not hesitate to ask 37 1-26 for; it is 7 inches wide and is one of the prime favorites, at regular prices, for waists and evening dresses. They come in dark shades as well as light; plenty of black and white. 25c. Ladies' Lace Hose, 15c.

15c. Ribbons, 10c.

Regular 15c. Ribbon, all new spring shades, all slik; special to-morrow, 10c.

A Man's Shirts at 50c.

Unusual Opportunities.

Pure Linen White Bosom Shirts, reinforced front and back, double wristbands, finished with all the latest shirt improvements; if hundered, this shirt would sell at \$1; special, marked \$00.

Something Unusual in Petticoats. A Good Light Weight Striped Secrsucker, finished with deep flounce, for

SANITATION ON ISTHMUS.

Important Problem That Must be Solved by Americans.

98c.; couldn't make it at home for less, could you? Real value, \$1.50.

Splendid Showing, the New China and Japanese Mattings.

Thousand rolls, now and attractive designs and color effects from which jo make your selection, marked at special low prices—big saving over those asked elsewhere—25c, and 30c.

Corset Bargains. \$1 kind, 75c.

Wanted modes, bias cut, straight

Thompson's, C. B. and R. G.

BUX

Methodist Institute Tickets. EACH TICKET good for a MEAL and TWO TICKETS

20 TICKETS FOR \$1 ON SALE AT

TIMES-DISPATCH BUSINESS OFFICE.

Madame Stuart.

Novelties

At JEFFERSON HOTEL, TUESDAY AND WEDNESDAY

MEETINGS,

NOTICE IS HEREBY OVER THAT THE annual meeting of the Blockholders of the POCAHONTAS COMPANY, BATEL WILLIAM THE ANNUAL THE ANNUAL THE COMPANY, BATEL WILLIAM THE COMPANY AND THE STATE OF TH

NOTICE IS HEREBY GIVEN THAT THE annual meeting of the Stockholders of the CHESAPEAKE WESTERN COMPANY whose held in Richmond, va. at the General Offices of the Company, No. 1016 East Mail Street, on TUSSDAY, March L. A. at the o'clock A. M., for the elscition of Directors and for the transaction of such other business as may properly come before it.

L. GILLESPIE, Seet Lary.

NOTICE IS HEREBY GIVEN THAT THE annual meating of the Stockholders of L. CHESAPEAKE WESTERIN RAILWY be held in Richmond, va. at the Gung Offices of the Company, No. 515 Fast 18 Street, on TUESDA'N Ascending to Stock A. M. TOSTAN Ascending to Colock A. M. Tostan A. Street, on the Company of the Colock A. M. Tostan A. Street, on the colock as and for the properly come before the as may properly come before the colock as may be come before the colock as may be come before the colock as may be companied to the colock as the colock a

CHAS. G. JURGENS' SON, 419-21 E. Broad St. REMEMBER A postal sent us will

things usually are pretty expensive-espe-

cially parlor furniture, but our midwinter

THE CHOICE OF ANY

Parlor Suite or Odd Parlor Piece in our stock

20 to 331/3%.

We have a most unusually large and choice

sale this week offers you

at a reduction of from

Come and see us.

stock for this time of year, too.

Your Credit's Always

Good at JURGENS'.

bring our special catalogue immediately to any out-of-town customer.

battery.

For batteries we have 21 Wollastons, cach trough containing 18 pairs of plates, sinc and iron, 10 by 18 inches.

The first range is called 1; the second, 2, and the third, 3, and the wires are so

Thus all of each range are exploded at

once.

Besides these, there are two ranges of two tanks, each planted opposite the battery at Chaffin's Bluff.

When they were planted it was not known that a battery was to be erected

SUES FOR DAMAGES

(By Associated Press.)

WINCHESTER, KY., Feb. 27.—Mrs.
Arabella Marcum, for horself and children, to-day filed sult in the Circuit Court against James Hargis, Alex Hargis, Edward Callahan and B. F. French for \$100,000 damages. She alleges in her petition that the defendants entered into a conspiracy with Curtis Jett and Tom White to murder her husband, the late J. H. Marcum. Callahan was formerly sheriff of Breathitt county.

Jett and White-care now in jail in Louisville.

VISITING NURSES.

During the Year.

T. S. LLOYD GOES

(By Associated Press.)
SCRANTON, PA., Feb. 27.—T. S. Lloyd,
Superintendent of Motive Power for the
Delaware, Lackawanna and Western

"Japan" at Virginia Club.

OUR SPECIALTY.

KREMO DENTINE, an

TRAGLE DRUG CO., \$17 East Broad Street.

From the Czar to Young America

From the Czar to Young America

Hon, Carter Glass, member of the House of Representatives from the Sixth Virginia District, is of the opinion that in the conflict between Russia and Japan he will take sides with Russia.

"One afternoon some time ago," said Mr. Glass in the cloak-room of the House the other day, "a large envelope came-to my house through the mail, addressed to my house the lower than the company of the conflict of the company of the conflict of the conflict

"I wrote and asked him for 'em,' he said.
"What did you say to him in the letter? I asked, and then he told me that he in the words asking the Czar to send him the stamps; that he was a little boy who was collecting stamps, and could not set any of Russla's. He told me that he began the letter 'Dear Cznr' and that he directed it to 'The Czar, Russla. He said he knew the Czar was certain to get if, as there was only one in Russla. "I contest that I have ever since that time had a warm place in my heart for a man who, though the ruler over a hundred million people, had a heart kind onough to forget the cares of state long enough to grant the request of an obscure American boy, thousands of miles away."—Saturday Evening Post.

Commander Martin Ellsworth Hall.

been decilning, necessitating his retirement from active service, but those who knew him in this State had recently received such cheering reports of the improvement in his condition they felt encouraged his life, would be prolonged many years. Captain Hall had spent some time at Day's Point Hotel, now Smithfield, Va., and felt benefited by the yearer of the artesian well there, and so expressed himself as 'improving in health and strength,' but it appears that he was suddenly taken worse last week and was carried to the hospital, where he lived but a few days.

Captain Hall, was of distinguished ancestry, and was a popular officer in the navy. Some of his inventions were of great benefit to the navy. He had made friends, warm personal friends, amongst those who knew him in the South, and they feel keenly distressed at his death, and tender to his stricken family their sincere and heartfelt sympathy.

EX-CONFEDERATE.' Naval Officer.

The condition of Miss Katle G. Burch, who has been very ill at the residence of her aunt, No. 2802 O Street, is slightly improved. Her friends are concerned over her continued ill health.

DIAMONDS and Othe, Gems

IT is sufficient guarantee of the QUALITY of an article to know that it was bought at Gall's. This fact has been conceded by all for over one hundred (100) years. THE All correspondence given prompt and careful attention. Goods sent on approval to all responsible persons—express prepaid.

Galt & Bro., Established Over a Century. Jewellers, Silversmiths, Stationers,

1107 Pennsylvania Avenue, Washington, D. C. TRUE REFORMERS' MALL, THE ORIGINAL

Black Patti Troubadours Prices-Mat. 250 and 50c. Night-50c. SCHIREFF.

Ladies' Tallor, 418 East Grace Street, respectfully calls your attention to the fact that he has just returned from the North, where he has been to the interest of his patrons, and to study the latest styles, which he has brought, is now prepared to receive orders for spring scason, 1991.

RATES TO ST. 1,0UIS, MO.,
For World's Fair, Via C. & O. Route.
The Chesapeake and Ohlo Railway announce that for the World's Fair at St.
Louis, Mo., May lat to December 1st,
season tickots will be sold from Richmond, Va., to St. Louis, Mo., and return
at rate of \$31.20. Round trip tickets good
for sixty days from date of sale will be
\$20.00, and tickets good for fifteen days
\$21.50. In addition to these regular ticktis. special ten day coach excursions
will be arranged on various dates during
the Exposition at low rates based approximately on one cent per mile travcled.

This announcement is of particular in-

Editor of The Times-Dispatch:
Sir.—The death of Commander Martin
Ellsworth Hall, United States navy (retired), at the Naval Hospital, Portsmouth, the 20th of Fobruary, was a shock
to his friends in Virginia, and doubtless to the wide circle of acquaintances
and friends at the North, by whom Cuptain Hall was highly respected and bejoved. His health for soveral years had

PURE FOOD LAW.

Efforts have been made for several years past and is now being agitated in all parts of the State for the establishment of a pure food law. Every house-keeper should hasist on pure foods, and accept no substitute. The Fulton Yeast Cake is purely vegetable and will stand the test of any food law in the United States. Being a vegetable product will keep in any climate for several months. Send your address on a nostal and receive a sample cake free, and test its qualities its a hread raiser for your self. Address Fulton Yeast Company, Richmond. Va.

buy FOOD and LODGING.

for LODGING.

407 N. Charles St., Baltimore, WILL EXHIBIT Pattern Hats

March Ist and 2d.

Richmond, Va., Peb. 16, 1804.
STOCKHOLDERS MEDETING OF THE RICHMMOND LOCOMOTIVE WORKE-The amendmenting of the Stockholders of Richmind Locomotive Works will be held at the officeromotive work will be held at the officeromotive work will be a supported on the reactors adoption of the objection of discussion of the Board of Directors since, the last annual meeting, and for the transaction of such other business as may properly dominated the said meeting.

Linding HEST, Secretary, Linding HEST, Secretary, 1994.